NOTES:
1. FOR GENERAL NOTES REFER TO 000-PR-PID-0001/0002/0003/0004.
2. ALL INSTRUMENT TAGS ARE PREFIXED WITH THE AREA NUMBER SHOWN ON THIS P&ID UNLESS OTHERWISE NOTED. (2)

160-P-007

FLOTATION PROCESS WATER PUMPS 1 TO 5 393-PP-9006 TO 9010 (2)
391-PR-PID-3005
500-WPA-SC1-131

160-P-008

HP FLOTATION PROCESS WATER DISTRIBUTION 389-PP-9025 TO 9027
389-PR-PID-9014
80-WPA-SC1-103

40-WPA-SC1-665 — 40BA1-03733 — 333-HP-9003 GROUND LEVEL
25-WPA-SC1-662 — 25BA1-03734 — 333-HP-9003 TOP LEVEL
25-WPA-SC1-139 — 40x25 — 25BA1-03735 — NORTHERN MECHANISM MAINTENANCE FRAME TOP LEVEL
25-WPA-SC1-378 — 25BA1-03736 — MIDWAY P/FORM LEVEL
40-WPA-SC1-138 — 40BA1-03737 — NORTHERN MECHANISM MAINTENANCE FRAME GROUND LEVEL
25-WPA-SC1-663 — 25BA1-03738 — 333-HP-9001/9002 TOP LEVEL
50BA1-03740
25-WPA-SC1-669 — 25BA1-03739 — 333-HP-9010/9011 VALVE STATION TOP LEVEL
(2) 50-WPA-SC1-1619
40-WPA-SC1-664 — 40BA1-03741 — 333-HP-9001/9002 VALVE STATION GROUND LEVEL

160-P-004

50BA1-03742
25-WPA-SC1-666 — 25BA1-03743 — WESTERN MECHANISM MAINTENANCE FRAME TOP LEVEL
25-WPA-SC1-1622 — 25BA1-03744 — WESTERN MECHANISM MAINTENANCE FRAME 2nd LEVEL
(2)
25-WPA-SC1-1621 — 25BA1-03745 — WESTERN MECHANISM MAINTENANCE FRAME 1st LEVEL
50x25
25-WPA-SC1-1620 — 25BA1-03746 — WESTERN MECHANISM MAINTENANCE FRAME GROUND LEVEL

160-P-005

300-WPA-SC1-131

500BF3-03730
500x350
500-WPA-SC1-371

160-P-001

100-WPA-SC1-655 — Cu CLEANER AREA SUMP PUMP 4 333-PP-9015 — 333-PR-PID-9006
500-WPA-SC1-371 — 1st Cu CLEANER SCAV. TAILS HOPPER 333-HP-9003 — 333-PR-PID-9006
50-WPA-SC1-656 — 1st Cu CLEANER SCAV. TAILS HOPPER 333-HP-9003 — 333-PR-PID-9006
200-WPA-SC1-374 — 1st Cu CLEANER SCAV. TAILS RECYCLE PUMP 333-PP-9007 — 333-PR-PID-9006

350BF3-03731
350x300
350-WPA-SC1-132

160-P-002

200-WPA-SC1-369
200-WPA-SC1-362
150-WPA-SC1-364 — 1st Cu CLEANER CONC. PUMPS 333-PP-9001/9002 — 333-PR-PID-9003
50-WPA-SC1-657 — 1st Cu CLEANER CONC. HOPPER 333-HP-9001 — 333-PR-PID-9003
200-WPA-SC1-362 — 1st Cu CLEANER CONC. HOPPER 333-HP-9001 — 333-PR-PID-9003
100-WPA-SC1-369 — 1st Cu CLEANER SCAV. CONC PUMPS 333-PP-9003/9004 — 333-PR-PID-9005
200x100
50-WPA-SC1-658 — 1st Cu CLEANER SCAV. CONC. HOPPER 333-HP-9002 — 333-PR-PID-9005
200-WPA-SC1-367 — 1st Cu CLEANER SCAV. CONC. HOPPER 333-HP-9002 — 333-PR-PID-9005

160-P-003

300BF3-03732
300-WPA-SC1-133
150-WPA-SC1-379
150-WPA-SC1-383

150-WPA-SC1-379 — 2nd Cu CLEANER CONC. HOPPER 333-HP-9004 — 333-PR-PID-9010
100-WPA-SC1-381 — 2nd Cu CLEANER CONC. PUMPS 333-PP-9008/9009 — 333-PR-PID-9010
25-WPA-SC1-551 — 333-PR-PID-9010
50-WPA-SC1-659 — 2nd Cu CLEANER CONC. HOPPER 333-HP-9004 — 333-PR-PID-9010
50-WPA-SC1-670 — 2nd Cu CLEANER TAILS HOPPER 333-HP-9005 — 333-PR-PID-9011
100-WPA-SC1-385 — 2nd Cu CLEANER TAILS PUMPS 333-PP-9010/9011 — 333-PR-PID-9011
150-WPA-SC1-383 — 2nd Cu CLEANER TAILS HOPPER 333-HP-9005 — 333-PR-PID-9011
100-WPA-SC1-660 — Cu CLEANER AREA SUMP PUMP 3 333-PP-9014 — 333-PR-PID-9010
100-WPA-SC1-671 — Cu CLEANER AREA SUMP PUMP 1 333-PP-9012 — 333-PR-PID-1004
100-WPA-SC1-661 — Cu CLEANER AREA SUMP PUMP 2 333-PP-9013 — 333-PR-PID-9005

DRG No	REFERENCE DRAWINGS	REV	DATE	DESCRIPTION	DRN	CHK'D	DESIGN ENG.	LEAD ENG.	DESIGN APP'D	PROJ. APP'D	CLIENT APP'D
		2	06APR18	REVISED AS SHOWN	ZM	VA	MT	SB	BG	LG	
		1	16JUN17	REVISED AS SHOWN	JM	GCP	DB	SB	BG	LG	
		0	31AUG15	ISSUED FOR CONSTRUCTION	CB	GCP	DB	CK	BG	SM	

Minera Panamá

DRAWN	CHECKED	DESIGN ENG.	LEAD ENG.	DESIGN APP'D	PROJ. APP'D	CLIENT APP'D

CLIENT MPSA
PROJECT MINA DE COBRE PANAMA

FIRST QUANTUM MINERALS LTD.

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DRAWING TITLE
COPPER CLEANER FLOTATION
PROCESS WATER DISTRIBUTION - SHEET 1
PIPING & INSTRUMENTATION DIAGRAM

SCALE	JOB No.	DRG No.	REV.
NTS	1824	333-PR-PID-9018	2

DRAWN MC | DATE 20OCT14